PA-TDC

QUERY CONTROL FORM				RTIS USE ONLY	
Application No.	09/674,330	Prepared by	Lois Stone	Tracking Number	3916426
Examiner-GAU	~~Hutson~~ - 1652 KERR	Date	3/5/04	Week Date	3/8/04
		No. of queries	1	~FW	

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION

a. Page Missing
b. Text Continuity
c. Holes through Data
d. Other Missing Text
e. Illegible Text
f. Duplicate Text
g. Brief Description
h. Sequence Listing
i. Appendix
j. Amendments
k. Other

CLAIMS

a. Claim(s) Missing
b. Improper Dependency
c. Duplicate Numbers
d. Incorrect Numbering
e. Index Disagrees
f. Punctuation
g. Amendments
h. Bracketing
i. Missing Text
j. Duplicate Text
k. Other

MESSAGE

Page 32, lines 18, 19 and 21, the amendments are illegible. Copy provided for reference.

Thank you,

initials

RESPONSE Clarified

initials KK

E-5 (Rev. 10/01/02)

Next, isolation and cloning of full-length cDNA using the fragment of the A55 clone (hereafter A55 SST fragment cDNA) was attempted. It was confirmed that the A55 SST fragment cDNA contains a signal peptide by comparison with known peptides which have signal peptides in view of function and structure.

Example 4

Cloning and sequencing of a full-length cDNA of A55

Phage particles of a cDNA library of mouse day 13 embryonic heart(uni-ZAP XR, Stratagene) were transfected into *E. coli* XL1-Blue MRF* host cells (Stratagene). One million plaques were obtained and transferred to nylon membranes. The membranes were hybridized with 32P-labeled mouse A55 SST fragment cDNA as a probe. Many positive plaques were obtained.

From one positive plaque, the phage particles containing a cloned insert were prepared, and were subjected to conversion into phagemid particles (pBluescript SK(-)) by co-infection of *E. coli* XL1-Blue MRF* host cells (Stratagene) with ExAssist helper phage (Stratagene). The phagemid particles were transfected to *E. coli* DH5a. The plasmids were prepared from the obtained transformants.

Nucleotide sequence of the 5'-end of the cDNA were determined to confirm the existence of the sequences of the SST fragment cDNA. Full-length sequencing was then performed to obtain SEQ ID NO:3.

An open reading frame was determined. The translation region for the amino acid sequence is shown in SEQ ID NO: 1 and the deduced full-length amino acid sequence is shown in SEQ ID NO: 3. A mature version of the protein was deduced to be 425 amino acids, as ~~shown in~~ SEQ ID NO: 2 (144...1418) or 423 amino acids as shown in SEQ ID NO. 4. The translated region